homo sapien drosophila mus musculu шив шивси bacillus su

homo sapien

borna

anopheles g homo sapien

salmonella salmonella

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Viruses; 88RNA negative-strand viruses; Mononegavirales; Bornaviridae; Bornavirus.
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STRAIN=rateBov;
MEDLINE-20086018; PubMed=10622306; DOI=10.1016/S0140-6736(99)04703-0;
Schwemmle M., Jehle C., Pormella S., Steehell P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE=2031452; PubMed=10861642;
DOI=10.1002/1096-9071(200007)61:3<336::AID-JMV9>3.3.CO;2-G;
DOI=10.1002/1096-9071(200007)61:3<336::AID-JMV9>3.3.CO;2-G;
TRudi K., Toyomasu K., Imamura Y., Maeda H., Toyoda T.;
No association of borna disease virus with psychiatric disorders among patients in northern Kyushu, Japan.";
J. Med. Virol. 61:336-340(2000).
InterPro; IPR009517; BDV P24.
Pfam; PP06595; BDV P24; I.
               09wn16
07kz78
                                           043159
09xz31
09bhw3
09db85
09kJv6
03z167
P16328
08z587
07ppe2
08n4u2
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132 AA; 14894 MW; BABOE8F6DB02FF93 CRC64;
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Last annotation update)
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Last annotation update)
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              Q9WN16
Q7KZ78
Q4XZ31
Q8EHW3
Q9DB85
Q9KLV6
Q32LA7
FLID SALTY
Q8ZSS7
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Q8N4U2
Q71XN1
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100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                              01-OCT-2000 (TrEMBLrel. 15, 01-OCT-2000 (TrEMBLrel. 15, 01-MAR-2004 (TrEMBLrel. 26,
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Local Similarity
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         GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
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1: uniprot_sprot:*
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length: 2000000000
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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OM protein - protein search, using sw model

November 3, 2005, 15:18:12 ; Search time 22.2727 Seconds (without alignments) 64.799 Million cell updates/sec Run on:

US-10-805-220-1

1 QPVDQLLKDLRKNPS 15 Perfect score: Sequence:

BLOSUM62 Scoring table:

Gapop 10.0 , Gapext 0.5

283416 Total number of hits satisfying chosen parameters:

283416 segs, 96216763 residues

Searched:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database

PIR_79:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	hypothetical 8.8K	٠.	ъ			flagellar hook-ass		fumarate hydratase	histidine decarbox	hypothetical prote	hevin precursor -	H+-exporting ATPas	polyprotein pp220			Н	æ	acetyl transferase	chaperonin 60 beta	probable carboxyl-	hypothetical prote	probable glucosyl			dnaK-		type III secretion	cell division prot	hypothetical prote
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## ALIGNMENTS

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hypothetical 8.8K protein - borna disease virus N;Alternate names: ORP S protein C;Species: borna disease virus C;Date: 31-Mar-1992 #sequence_revision 31-Mar-1992 #text_change 09-Jul-2004

C;Accession: JQ1295
R;Richt, J.A.; VandeWoude, S.; Zink, M.C.; Narayan, O.; Clements, J.E.
J. Gen. Virol. 72, 2251-2255, 1991
A;Title: Analysis of Borna disease virus-specific RNAs in infected cells and tissues.
A;Reference number: JQ1294; MUID:91374026; PMID:1895063

A;Molecule type: genomic RNA A;Residues: 1-77 <RIC> A;Cross-references: UNTROT:P26668 C;Comment: Borna disease virus is an infectious agent that causes profound disturbances C;Superfamily: borna disease virus 24K antigen C;Keywords: nucleus

; Length 77; 0, Indels 100.0%; Score 77; DB 2; L 100.0%; Pred. No. 1.1e-05; 0; Mismatches Query Match Best Local Similarity 100. Matches 15; Conservative

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Gaps

1 OPVDQLLKDLRKNPS 15 41 QPVDQLLXDLRXNPS 55 Š 셤

RESULT 2

24K antigen - borna disease virus

C;Species: borna disease virus
C;Species: borna disease virus
C;Date: 30-Sep-1992 #sequence revision 30-Sep-1992 #text_change 16-Aug-2004
C;Accession: JQ1407; PQ0279; §15568
R;Thierer, J; Rieble, H.; Grebenstein, O.; Binz, T.; Herzog, S.; Thiedemann, N.; Stitz, J. Gen. Virol. 73, 413-416, 1992
A;Hitle: The 24K protein of Borna disease virus.
A;Reference number: JQ1407; WUID:92166750; PMID:1538196

A;Wolecule type: mRNA X;Residues: 1-20.1 «THI» A;Cross-references: UNIPROT:P26668; EMBL:X60701; NID:g60640; PIDN:CAA43112.1; PID:g60641 A;Accession: PQ0279

A;Molecule type: protein A;Residues: 37-44;77-89;95-103;133-139;159-167 <TH2> C;Superfamily: Borna disease virus 24K antigen

Gaps ö Length 201; 100.0%; Score 77; DB 1; Length 20 100.0%; Pred. No. 3.1e-05; ive 0; Mismatches 0; Indels Query Match Best Local Similarity 100.0 Matches 15; Conservative

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1 QPVDQLLKDLRKNPS 15

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2005, 15:01:59 ; Search time 112.273 Seconds (without alignments) 51.672 Million cell updates/sec
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                            OM protein - protein search, using sw model
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                                                                                                                        November
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1 QPVDQLLKDLRKNPS 15 US-10-805-220-1 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

Total number of hits satisfying chosen parameters: 2105692 segs, 386760381 residues Searched:

2105692

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries .

geneseqp2003as:* geneseqp2003bs:* geneseqp2004s:* A Geneseq 16Dec04:* geneseqp1990s:* geneseqp2000s:* geneseqp2001s:* geneseqp1980s:* geneseqp20028:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# STREMMER

	Description	Ad875682 Borna dis	8 Borna	Human	4 Human	Aaw49043 Human Bor	н		Adp19267 Human sec	~	'n	0		S		Abr82233 Human nuc	Human	2 Human	9 Human		Protei	Adf90895 Human hep	7 SPARC	Human		Human
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SUMMARIES	ΙΩ	ADS75682	AAR98618	AAW49045	AAW49044	AAW49043	AAW82841	AAY35959	ADP19267	ABM81223	ABB59165	AAY08449	ABB50053 .	ABB09565	ADQ89954	ABR82233	ADP55067	ABP43212	AAW04329	AAM78753	AAU84337	ADF90895	ADQ80877	ADQ80853	ADQ80857	ADQ80855
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de	Query	100.0	100.0	100.0	100.0	100.0	64.9	64.9	64.9	64.9	64.3	57.1	57.1	57.1	57.1	57.1	57.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
	Score	77	77	77	77	77	20	20	20	20	49.5	44	44	44	44	44	44	43	43	43	43	43	43	43	43	43
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ADQ39906 ADQ39905 ADR87635	AAB58217 AAM79737	ABP73484 AAR21580	ABU41010 ABB58760	ADK16265 ADN17966	ABB58982	AAU14154	ABP25769 ADF04356	ADC95345 AAB46436	AAB46435	ABB92013
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24 27 28	309	31	3 3 4 4	32 36	37	9 E	40 41	4 4 2 6	44	45

# ALIGNMENTS

RESULT 1

detection; exogenous antigen; class switching; IgM; IgG; immunoglobulin; BDV; Borna disease virus; p24. Borna disease virus p24 protein fragment for detecting BDV infections. ADS75682 standard; peptide; 15 AA. (first entry) 02-DEC-2004 ADS75682; ADS75682 

Borna disease virus. EP1460426-A1.

22-SEP-2004.

19-MAR-2004; 2004EP-0006699

20-MAR-2003; 2003JP-00078898. 26-MAR-2003; 2003JP-00086490. 26-MAR-2003; 2003JP-00086491.

(SYSM-) SYSMEX CORP.

Nagai S; Takahama Y, Horii Y, Yamaguchi K,

WPI; 2004-679696/67.

Detecting antibody against exogenous antigen e.g. Borna disease virus (BDV), involves detecting the IgM antibody to the exogenous antigen.

Claim 13; SEQ ID NO 1; 33pp; English.

The invention relates to a method of detecting (MI) an antibody, where an examination of a disease caused by an exogenous antigen is conducted, the exogenous antigen being an antigen having a property in which the class switching from the IgM antibody to the IgG antibody of immunoglobulin antibodies raised against the antigen is achieved after two months following the appearance of the IgM antibody, the method involves detecting the IgM antibody to the exogenous antigen. The specification also discloses a reagent (I) for detecting an antigen, The specification disease virus (BDV) protein. (MI) is useful for detecting an antibody.

Specific to an exogenous antigen. The exogenous antigen is a mithody anticorganism, virus and/or proteinaceous substance, which may be the

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US-10-805-220-3
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Sequence 39, Appl
Sequence 32475, A
                                                                                                              3, 2005, 15:27:58 ; Search time 123.818 Seconds (without alignments) 60.826 Million cell updates/sec
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US-09-990-443-276
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# ALIGNMENTS

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JULICACION NO. US20040234955A1

SEQUENCE 3, Application US/10805220

Publication No. US20040234955A1

GENERAL INFORMATION:

APPLICANT: YAMAGUCHI, Kazunari

APPLICANT: TAKAHAMA, Youichi

APPLICANT: TAKAHAMA, Youichi

APPLICANT: NAGAI, Shinya

ITILE OF INVENTION: DISEASE VIRUS

FILE REFERENCE: 080490

CURRENT APPLICATION NUMBER: US/10/805,220

CURRENT FILING DATE: 2004-03-22

PRIOR APPLICATION NUMBER: JPA 2003-086490

PRIOR PILING DATE: 2003-03-26

PRIOR PRILING DATE: 2003-03-26

PRIOR PRILING DATE: 2003-03-26

NUMBER OF SEQ ID NOS: 8

SOFTWARE PATENTIN VEFEION 3.2
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Pred. No. 7.2e-08;
Mismatches 0;
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Best Local Similarity 100.0%; P
Matches 18; Conservative 0;
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; ORGANISM: Borna disease virus
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us-10-805-220-3.rai

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November 3, 2005, 15:21:48 ; Search time 33.2727 Seconds (without alignments) 40.384 Million cell updates/sec
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Copyright (c) 1993 - 2005 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                 513545 segs, 74649064 residues
                                                                       OM protein - protein search, using sw model
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Issued Patents AA:*

Database :

# SUMMARIES

No. Score Match Length DB ID Description    1			de			SUMMAKIES	
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	27	40	42.6	383	m	08-477	4

LENGTH: 370 amino acids
ryPR: amino acids
ryPR: amino acid
sTRANDEDNESS: single
rOPOLOGY: unknown
MOLECULE TYPR: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
RAGMENT TYPE: internal
US-08-369-822C-2

SEQUENCE CHARACTERISTICS

Sequence 4, Appli Sequence 4, Appli Sequence 4, Appli Sequence 8564, Appli Sequence 1864, A Sequence 1864, A Sequence 1168, A Sequence 1158, Appl Sequence 11, Appl Sequence 11, Appl Sequence 11, Appl Sequence 13, Appli Sequence 11, Appli	· · ·	for Central Nervous
3 US-08-479-869-4 3 US-08-486-414-4 5 PCT-US94-01252A-4 4 US-09-949-016-8564 4 US-09-248-796A-14642 4 US-09-248-796A-18647 4 US-09-248-796A-18642 4 US-09-248-796A-18642 4 US-09-248-796A-18642 4 US-09-6911-11 4 US-09-812-11 4 US-09-812-11 5 US-08-802-322-11 6 US-08-802-322-11 7 US-08-802-322-13 8 US-08-802-322-13 9 US-08-802-322-13 1 US-08-802-322-13 4 US-09-602-777A-310	ALIGNMENTS	e ick A.  tte Disease Viral Sequences stics and Therapeutics biseases aworski, L.L.P. oa Street, 29th Floor xT  8/369,822C  t A. (Ph.D.) 944 1279-194XX ON:
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	•	RESULT 1 US-08-369-6 Sequence Sequence Sequence Sequence APPLIC A

us-10-805-220-3.rup

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November 3, 2005, 15:03:19; Search time 124.364 Seconds (without alignments) 74.117 Million cell updates/sec
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Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                         OM protein - protein search, using sw model
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1612378 segs, 512079187 residues US-10-805-220-3 94 1 PKRRLVDDADAMEDQDLY 18 BLOSUM62 Gapop 10.0 , Gapext 0.5 Title: Perfect score: Sequence: Scoring table: Searched:

1612378 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

UniProt_03:*
1: uniprot_sprot:*
2: uniprot_trembl:* Датараве :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Description	Q01552 borna disea	borna	borna	O10398 borna disea	O10401 borna disea	borna	Q91ul4 borna disea	borna	Q8bb29 borna disea	Q9q9v1 borna disea	Q9p449 schizophyll	Q7se56 neurospora		Q9v506 drosophila		O9sev2 guillardia	Q9sy82 arabidopsis	095214 homo sapien	_	Q6pdu4 rattus norv	Q941x9 oryza sativ		Q8sua7 encephalito		Q86147 dictyosteli		yersinia	yersinia	Q8p719 xanthomonas	Q8piw2 xanthomonas	Q7pyv1 anopheles g
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SUMMAKIES	VP40 BDV	010392	010395	010398	010401	Q910H1	Q91UL4	Q91UL8	Q8BB29	Q9Q9V1	Q9P449	Q7SB56	Q7XBG3	905A60	Q89P43	Q9SEV2	Q9SY82	LEL1 HUMAN	LEL1 MOUSE	Q6PDU4	Q941X9	Q9H791	Q8SUA7	Q81ZM8	Q86L47	Q665T9	Q8ZI75	QBCKFB	Q8P7I9	Q8PIW2	Q7PYV1
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% Query Match Length	370	370	370	370	370	370	370	370	370	369	947	944	130	167	252	441	824	131	131	131	527	198	304	647	937	156	156	170	282	286	404
& Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	82.4	57.4	52.1	51.6	51.1	50.0	50.0	50.0	48.9	48.9	48.9	48.4	47.9	47.9	47.9	47.9	46.8	46.8	46.8	46.8	46.8	46.8
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# ALIGNMENTS

GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

2005, 15:18:12 ; Search time 26.7273 Seconds November 3, Run on:

(without alignments) 64.799 Million cell updates/sec

US-10-805-220-3 94 1 PKRRLVDDADAMEDQDLY 18

Title: Perfect score: Sequence: BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283416 seqs, 96216763 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

PIR 79:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	Description	probable structura		hypothetical prote	regenerating liver	conserved hypothet	probable membrane	DNA gyrase subunit	calreticulin - com	calreticulin call					~~	extragenic suppres	conserved hypothet	probable aminoglyc	hypothetical prote	N5, N10-methylenete	hypothetical prote	hypothetical prote	conserved hypothet	type I restriction	58.5K hypothetical	hypothetical prote	phosphoenolpyruvat	hexose transport p	hypothetical_prote	
SUMMARIES	QI.	A49528	B90136	AB0079	A44437	E95065	848460	C87445	T03691	T16968	T46146	T34180	C97292	T22235	MEVNIVJ	E84292	G69158	F97216	E89811	830603	H70650	H83355	P97932	D82522	A86440	T00072	C81367	50708	T19482	T16131 .
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di	Query	100.0	50.0	46.8	46.3	45.7	45.7	45.2	44.7	44.7	44.7	44.7	44.7	. 44.7	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.1	43.1	43.1	42.6
	Score	94	47	44	43.5	43	43	42.5	42	42	42	42	42	42	.41	41	41	41	41	41	41	41	41	41	41	41	40.5	40.5	40.5	40
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single-strand bind	SS DNA binding pro	cerebellar degener	probable magnesium	hypothetical prote	transcription fact	, hypothetical prote	acetyldlutamate sy	alpha-amylase a pr	hypothetical prote	DNA mismatch repai	F9L1.24 protein -	hypothetical prote	replication licens	replication licens	hypothetical prote
H72083	H86538	A29770	E70982	860947	84454	862528	T40666	T38770	T32382	H83945	C86287	T19627	B48723	S45757	T26498
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160	160	223	234	265	395	431	200	513	546	637	799	800	830	868	881
42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
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# ALIGNMENTS

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borna disease virus

C;Species: borna disease virus
C;Species: borna disease virus
C;Species: 07-Apr-1994 #sequence revision 18-Nov-1994 #text_change 28-Jul-2000
C;Accession: A49528; A37475; \$25642; A44004
R;Schneider, P.A.; Briese, T.; Zimmermann, W.; Ludwig, H.; Lipkin, W.I.
J. Virol. 68, 63-68, 1994
A;Titler: Sequence conservation in field and experimental isolates of Borna disease virualy.
A;Reference numper: A49528; MUID:94076462; PMID:8254777

A;Status: preliminary
A;Molecule type: genomic RNA
A;Molecule type: genomic RNA
A;Molecule type: Josephanic RNA
A;Molecule type: Josephanic RNA
A;Molecule type: Josephanic RNA
A;Cross-references: GE:S67502; NID:G456883; PIDN:AAB29214.1; PID:G456886
A;Experimental source: WT-1, Halle B1/91, horse brain, field isolate
A;Note: sequence extracted from NCBI backbone (NCBIN:141399, NCBIP:141401)
R;Pyper, J.M.; Richt, J.A.; Brown, L.; Rott, R.; Narayan, O.; Clements, J.E.
Virology 195, 229-238, 1993
A;Title: Genomic organization of the structural proteins of borna disease virus reveals
A; Reference number: A37475; MUID:93303922; PMID:8317098 A; Accession: A37475

A; Molecule type: mRNA

A;Residues: 14-55,'N',57-356,'I',358-361,'R',363-370 <PYP>
A;Cross-references: GB:862821; NID:g386390; PIDN:AAB27261.1; PID:g386391
A;Note: sequence extracted from NCBI backbone (NCBIN:134146, NCBIP:134147)
A;Note: parts of this sequence were confirmed by peptide sequencing
B;Binz, T.; Riehle, H.; Yamasaki, J.; Richt, J.A.; Grebenstein, O.; Rott, R.; Niemann, submitted to the EMBL Data Library, September 1992
A;Description: The 39/39k antigen of borna disease virus.

A;Accession: S25642

A;Status: preliminary A;Molecule type: mRNA

A/Residues: 14-55,'N',57-356,'I',358-361,'R',363-370 <BIN>
A/Cross-references: EMBL:X68392; NID:958687; PIDN:CAA48458.1; PID:958688
A/Cross-references: Thibault, K.J.; Hatalski, C.G.; Lipkin, W.I.
J. Virol. 66, 6572-6577, 1992
A/Title: Sequence similarity between Borna disease virus p40 and a duplicated domain wi
A/Reference number: A44004; MUID:93021385; PMID:1404604

A, Accession: A44004

A;Status: preliminary

A,Molecule type: genomic RNA A,Residues: 14-46, T, 48-55, N, 57-356, I, 358-361, R, 363-370 <MCC> A,Cross-references: GB:M99375; NID:g210698; PIDN:AAA73385.1; PID:g210699 C,Superfamily: borna disease virus p40

ö Gaps ô ch 100.0%; Score 94; DB 2; Length 370; al Similarity 100.0%; Pred. No. 3.2e-07; 18; Conservative 0; Mismatches 0; Indels Best Local Similarity Matches 18; Conserv Query Match

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GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.
                  Copyright
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- protein search, using sw model OM protein

November 3, 2005, 15:01:59; Search time 134.727 Seconds (without alignments) 51.672 Million cell updates/sec Run on:

US-10-805-220-3 94 1 PKRRLVDDADAMEDQDLY 18 Title: Perfect score:

Sequence:

Gapop 10.0 , Gapext 0.5 **BLOSUM62** Scoring table:

2105692 segs, 386760381 residues Searched:

2105692 Total number of hits satisfying chosen parameters:

seq length: 0 seq length: 200000000 Minimum DB e Maximum DB e

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

A_Geneseq_16Dec04:* geneseqp2000s:*geneseqp2001s:* geneseqp1980s:*geneseqp1990s:*

geneseqp20028: * geneseqp2003as: * geneseqp2003bs: * geneseqp20048: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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י ני	4.4	48	131	۳.	AAY66712		Aav66712	Membrane	-eu
ı vo	46	48.9	131	· m	AAY57844		Aay57844	Human lep	lep
7	46	48.9	131	m	AAB03730		Aab03730	OB-RGRP2	P2
· cc	4	48.9	131	m	AAY94849		Aay94849	Human	pro
6	46	48.9	131	4	AAU29127		Aau29127	Human	PRO
10	46	48.9	131	4	AAB88337		Aab88337	Human	mem
11	46	48.9	131	4	AAB65235		Aab65235	Human	PRO
12	46	48.9	131	ß	ABB89581.	•	Abb89581	Human	ն
13	46	48.9	131	'n	ABB84894		Abb84894	Human	88
14	46	48.9	131	'n	ABB95500		Abb95500	Human	ang
15	46	æ	131	9	ABU58503		Abu58503	Human	PRO
16	46	48.9	131	φ	ABU88051		Abu88051	Novel	hum
17	46	48.9	131	Ŷ	ABU84366		Abu84366	Human	Bec
18	46	48.9	131	9	ABR66240		Abr66240	Human	Bec
19	46	48.9	131	9	ABR65630		Abr65630	Human	Bec
20	46	48.9	131	9	ABU99570		Abu99570	Human	Bec
21	46	48.9	131	9	ABU58050		Abu58050	Human	PRO
22	46	48.9	131	φ	ABUS9128		Abu59128	Novel	Pri
23	46	48.9	131	9	ABU82640		Abu82640	Human	Вес
24	46	48.9	131	ø	ABU82809		Abu82809	Human	88
25	46	48.9	131	9	ABU89930		Abu89930	Novel	hum

вес	Bec	hum	Bec	8ec	960	Bec	860	PRO	PRO	Prom	Pull	hun	PRO	sec	вес	PRO	pru	Bec	Bec	
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ABR68179	ABU60559	ABU96232	ABU92663	AB008740	AB002792	ABR74946	ABR94708	ABU13941	ABU85681	ABU98841	ABU98056	ABU91762	ABU89455	ABU86296	ABU67509	ABU80537	ABU72526	ABR99455	ABR98845	
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131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	131	
48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	
46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
56	27	28	53	30	31	32	33	34	32	36	37	38	9.6	40	41	4	43	44	45	

# ALIGNMENTS

Borna disease virus p40 protein fragment #1 for detecting BDV infections. detection; exogenous antigen; class switching; IgM; IgG; immunoglobulin; BDV; Borna disease virus; P24. ADS75684 standard; peptide; 18 AA 20-MAR-2003; 2003JP-00078898. 26-MAR-2003; 2003JP-00086490. 26-MAR-2003; 2003JP-00086491. 19-MAR-2004; 2004EP-00006699. (first entry) Borna disease virus (SYSM-) SYSMEX CORP 02-DBC-2004 EP1460426-A1 22-SEP-2004. ADS75684; ADS75684 

Nagai S; Yamaguchi K, Horii Y, Takahama Y,

WPI; 2004-679696/67

Detecting antibody against exogenous antigen e.g. Borna disease virus (BDV), involves detecting the IgM antibody to the exogenous antigen.

Claim 14; SEQ ID NO 3; 33pp; English

The invention relates to a method of detecting (MI) an antibody, where an examination of a disease caused by an exogenous antigen is conducted, the exogenous antigen being an antigen having a property in which the class switching from the IgM antibody to the IgG antibody of immunoglobulin antibodies raised against the antigen is achieved after two months following the appearance of the IgM antibody, the method involves detecting the IgM antibody to the exogenous antigen. The specification also discloses a reagent (I) for detecting an anti-BDV antibody, comprising an antigen polypeptide selected from the p10 region of a Borna disease virus (BDV) protein. (MI) is useful for detecting an antibody specific to an exogenous antigen. The exogenous antigen is a microorganism, virus and/or proteinaceous substance, which may be the

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November 3, 2005, 15:27:58 ; Search time 103.182 Seconds (without alignments) 60.826 Million cell updates/sec
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Copyright (c) 1993 - 2005 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES:

		l, Appli	20, Appl	21, Appl	22, Appl	523, App	4287, Ap	344991,	37922, A	227834,	215846,	282920,
	Description	Sequence 1	Sequence 20, Appl	Sequence				Sequence	Sequence	Sequence 7	Sequence ;	Sequence
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# ALIGNMENTS

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Sequence 1, Application US/1080520
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; Publication No. US20040234955A1
; GENERAL INFORMATION:
APPLICANT: YAMAGUCHI, Kazunari
APPLICANT: TAKAHAMA, Youichi
APPLICANT: MAGAL, Shinya
TITLE OF INVENTION: DISEASE VIRUS
FILE REFERENCE: 080490
CURRENT APPLICATION NUMBER: US/10/805,220
CURRENT APPLICATION NUMBER: US/10/805,220
CURRENT APPLICATION NUMBER: JPA 2003-078898
; PRIOR FILING DATE: 2003-03-22
; PRIOR FILING DATE: 2003-03-26
; PRIOR FILING DATE: 2003-03-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patentin version 3.2
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GenCore version 5.1.6 • Copyright (c) 1993 - 2005 Compugen Ltd.
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Sequence 23806, A Sequence 16, Appl Sequence 16, Appl Sequence 25579, A Sequence 1753, A Sequence 1268, App Sequence 263, App Sequence 263, App Sequence 21, Appl Sequence 23, Appl Sequence 89, Appl	\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	for Central Nervous	Length 201;
US-09-248-796A-23806 US-08-710-249-16 US-09-220-157A-16 US-09-248-796A-25579 US-09-248-796A-16753 US-09-710-279-462 US-09-710-279-462 US-09-710-279-468 US-09-134-001C-5492 US-09-134-01C-5492 US-09-254-776B-80 US-09-198-452A-263 US-09-559-217-89 US-09-523-246-89 US-09-523-246-89 US-09-523-246-89	ALIGNMENTS	e Viral Sequences and Therapeutics ses i, L.L.P. SRDPERFECT 8.0 Ph.D.)	Score 77; DB 3; Len
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228 3366 444 442 4432 4443 5444 5444 5444 5444 5		RESULT :  US-08-369-822C-4  Sequence 4, Applicati Sequence 4, Applicati Patent No. 6015660  GENERAL INFORMATION: APPLICANT: Briese APPLICANT: Briese APPLICANT: Stitch APPLICANT: Stitch APPLICANT: Stitch APPLICANT: Stitch APPLICANT: Stitch APPLICANT: Stitch APPLICANT: Stitz APPLICANT: Stitz APPLICANT: Stitz APPLICANT: Stitz APPLICANT: Stitz APPLICANT: Stitz CORRESPERSE: Pulb STREST: 865 Soul CITY: LOS ANGEL STATE: CALIFORM CONFERSES: CALIFORM CONFERSES: CALIFORM CONFERSES: CALIFORM COMPUTER: PULB STATE: CALIFORM COMPUTER: IBM P COMPUTER COMP	Query Match
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